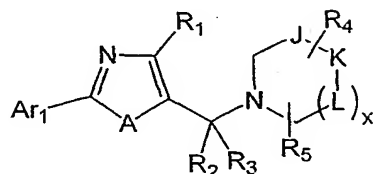


WHAT IS CLAIMED IS:

1. A compound of Formula IA:



Formula IA

or a pharmaceutically acceptable salt thereof, wherein

A is oxygen, sulfur or NR;

R is C₁-C₇alkyl, C₂-C₇alkenyl, C₂-C₇alkynyl, C₁-C₆haloalkyl, (C₃-C₁₀carbocycle)C₁-C₄alkyl or (4- to 7-membered heterocycloalkyl)C₁-C₄alkyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, oxo, C₁-C₄alkyl, C₁-C₄alkoxy and C₁-C₂alkoxycarbonyl;

x is 0, 1 or 2;

J, K and each occurrence of L are chosen from oxygen, sulfur, NH and CH₂; such that no more than one of J, K and L is chosen from oxygen, sulfur and NH;

R₁ is chosen from:

- i) hydrogen, hydroxy, halogen, amino, cyano, nitro, -CHO, -CONH₂, C₁-C₆haloalkyl and C₁-C₆haloalkoxy;
- ii) C₁-C₆alkyl, C₂-C₇alkenyl, C₂-C₇alkynyl, C₂-C₆alkanoyl, C₁-C₆alkoxy, (C₃-C₇cycloalkyl)C₀-C₄alkyl, (4- to 10-membered heterocycloalkyl)C₀-C₄alkyl, mono- and di-(C₁-C₆alkyl)aminoC₀-C₆alkyl, mono- and di-(C₁-C₆alkyl)carboxamide, C₁-C₆alkoxycarbonyl, -SO_n(C₁-C₆alkyl), -NHSO_nC₁-C₆alkyl, -(C₀-C₆alkyl)SO_n(C₁-C₆alkyl), -SO_nN(C₁-C₆alkyl)(C₁-C₆alkyl), and -SO_n-phenyl, wherein each n is independently 0, 1 or 2, and each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, oxo, C₁-C₄alkyl, C₁-C₄alkoxy and C₁-C₂alkoxycarbonyl; and
- iii) naphthyl, phenyl and 5- to 10-membered heteroaryl, each of which is substituted with from 0 to 3 substituents independently chosen from R₁₁;

R₂ and R₃ are independently hydrogen or C₁-C₆alkyl;

R₄ represents 1 substituent chosen from:

- i) C₁-C₆alkyl, C₂-C₆alkenyl, C₂-C₆alkynyl, C₁-C₆alkoxycarbonyl, (C₃-C₇cycloalkyl)C₀-C₄alkyl and hexahydro-1,3-benzodioxolyl;

- ii) aryl having 1 ring or 2 fused or pendant rings;
iii) (4- to 10-membered heterocycloalkyl) C_0 - C_4 alkyl;
iv) phenyl fused to a 5- to 7-membered saturated or partially unsaturated ring that (a) has
0, 1 or 2 ring atoms independently chosen from N, O and S, with remaining ring
atoms being carbon, and (b) is substituted with from 0 to 3 substituents independently
chosen from halogen, C_1 - C_8 alkyl, C_1 - C_8 alkoxy, C_1 - C_8 haloalkyl, C_1 - C_8 haloalkoxy;
v) (5- to 10-membered heteroaryl) C_0 - C_4 alkyl, having 1 ring or 2 fused or pendant rings,
from 5 to 7 members in each ring, and in at least one ring from 1 to 3 heteroatoms
independently selected from N, O, and S, wherein R_4 is not pyrimidyl; and
vi) groups that are taken together with an R_5 moiety to form a fused phenyl or pyridyl
ring;

wherein each of i), ii), iii), iv), v) and vi) is substituted with from 0 to 3 substituents
independently chosen from R_{11} ;

R_5 represents from 0 to 3 substituents independently chosen from hydroxy, halogen, amino,
cyano, nitro, -CHO, -CONH₂, C_1 - C_2 haloalkyl, C_1 - C_2 haloalkoxy, C_1 - C_6 alkyl, C_1 -
 C_6 alkoxy, C_3 - C_7 cycloalkyl C_0 - C_4 alkyl, mono- and di- $(C_1$ - C_6 alkyl)amino C_0 - C_6 alkyl,
optionally substituted phenyl, and groups that are taken together with R_4 to form a
fused, optionally substituted phenyl or pyridyl ring; and

Ar_1 represents

- i) phenyl or naphthyl, each of which is substituted with from 0 to 3 substituents
independently chosen from amino, cyano, C_1 - C_4 alkyl, C_1 - C_4 alkoxy, C_1 - C_2 haloalkyl,
 C_1 - C_2 haloalkoxy, -COOH, -CONH₂, mono- and di- $(C_1$ - C_4 alkyl)amino, C_2 -
 C_4 alkanoyl, C_1 - C_4 sulfonate, C_1 - C_4 alkylsulfonyl, C_1 - C_4 alkylsulfinyl, C_1 - C_4 alkylthio,
 C_3 - C_6 alkanone, C_2 - C_4 alkyl ether, C_2 - C_4 alkanoyloxy, C_1 - C_4 alkoxycarbonyl and C_1 -
 C_6 alkylcarboxamide;
ii) phenyl fused to a 5- to 7-membered saturated or partially unsaturated ring that (a) has
0, 1 or 2 ring atoms independently chosen from N, O and S, with remaining ring
atoms being carbon, and (b) is substituted with from 0 to 3 substituents independently
chosen from halogen, C_1 - C_4 alkyl, C_1 - C_4 alkoxy, C_1 - C_2 haloalkyl and C_1 - C_2 haloalkoxy;
or
iii) heteroaryl, having 1 ring or 2 fused or pendant rings, from 5 to 7 members in each
ring, and in at least one ring from 1 to 3 heteroatoms independently selected from N,
O, and S;

wherein each of ii) and iii) is substituted with from 0 to 3 substituents independently chosen from R₁₁; and

R₁₁ is independently chosen at each occurrence from hydroxy, halogen, amino, cyano, C₁-C₆alkyl, C₁-C₆alkoxy, C₁-C₆haloalkyl, C₁-C₆haloalkoxy, -COOH, -CONH₂, -SO₂NH₂,
 5 mono- and di-(C₁-C₆alkyl)amino, C₂-C₆alkanoyl, C₁-C₆sulfonate, C₁-C₆alkylsulfonyl, C₁-C₆alkylsulfinyl, C₁-C₆alkylthio, C₃-C₆alkanone, C₂-C₆alkyl ether, C₂-C₆alkanoyloxy, C₁-C₆alkoxycarbonyl and C₁-C₆alkylcarboxamide.

2. A compound or salt according to claim 1, wherein:

10 R is chosen from C₁-C₇alkyl, C₂-C₇alkenyl, C₂-C₇alkynyl, (C₃-C₇cycloalkyl)C₁-C₄alkyl and (4- to 7-membered heterocycloalkyl)C₁-C₄alkyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, oxo, C₁-C₄alkyl, C₁-C₄alkoxy and C₁-C₂alkoxycarbonyl;

R₁ is chosen from:

- 15 i) hydrogen, hydroxy, halogen, amino, cyano, nitro, -CHO, -CONH₂, C₁-C₆haloalkyl and C₁-C₆haloalkoxy;
- ii) C₁-C₆alkyl, C₁-C₆alkenyl, C₁-C₆alkynyl, C₁-C₆alkoxy, (C₃-C₇cycloalkyl)C₀-C₂alkyl, (4- to 10-membered heterocycloalkyl)C₀-C₂alkyl, and mono- and di-(C₁-C₆alkyl)carboxamide, each of which is substituted with from 0 to 3 substituents
 20 independently chosen from hydroxy, halogen, amino, cyano, oxo, C₁-C₄alkyl and C₁-C₄alkoxy, and
- iii) naphthyl, phenyl, pyridyl, thiazolyl, pyrimidinyl and thienyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, -COOH, -CONH₂, -SO₂NH₂, C₁-C₆haloalkyl, C₁-C₆haloalkoxy, C₁-C₆alkyl, C₁-C₆alkoxy, C₂-C₆alkanoyl, C₁-C₆alkylsulfonyl, C₁-C₆alkylsulfinyl, C₁-C₆alkylthio, C₃-C₆alkanone, C₂-C₆alkylether, C₂-C₆alkanoyloxy, C₁-C₆alkoxycarbonyl and C₁-C₆alkylcarboxamide;

R₄:

- 30 i) represents C₁-C₆alkyl, C₂-C₇alkenyl, C₂-C₇alkynyl, C₁-C₆alkoxycarbonyl, (C₃-C₇cycloalkyl)C₀-C₄alkyl, hexahydro-1,3-benzodioxolyl, phenyl, naphthyl or (4- to 7-membered heterocycloalkyl)C₀-C₄alkyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, C₁-C₄alkyl, C₁-C₄alkoxy, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, -COOH, -CONH₂, mono- and di-(C₁-C₄alkyl)amino, C₂-C₄alkanoyl, C₁-C₄sulfonate, C₁-C₄alkylsulfonyl, C₁-

C₄alkylsulfinyl, C₁-C₄alkylthio, C₃-C₆alkanone, C₂-C₄alkyl ether, C₂-C₄alkanoyloxy, C₁-C₄alkoxycarbonyl, and C₁-C₆alkylcarboxamide; or

ii) is phenyl fused to a 5- to 7-membered saturated or partially unsaturated ring that (a) has 0, 1 or 2 ring atoms independently chosen from N, O and S, with remaining ring atoms being carbon, and (b) is substituted with from 0 to 3 substituents independently chosen from halogen, C₁-C₄alkyl, C₁-C₄alkoxy, C₁-C₂haloalkyl and C₁-C₂haloalkoxy; or

iii) is taken together with an R₅ moiety to form a fused phenyl or pyridyl ring that is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, C₁-C₄alkyl, C₁-C₄alkoxy, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, -COOH, -CONH₂, and mono- and di-(C₁-C₄alkyl)amino;

R₅ represents from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, C₁-C₄alkyl, C₁-C₄alkoxy, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, -COOH, -CONH₂, mono- and di-(C₁-C₄alkyl)amino, and groups that are taken together with R₄ to form a fused, optionally substituted phenyl or pyridyl ring; and

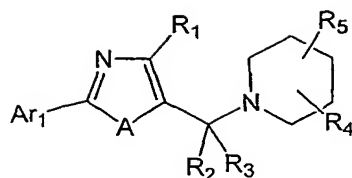
Ar₁ represents phenyl, naphthyl, pyridyl, pyrimidinyl, pyridizynyl, pyrazinyl, pyrazolyl, imidazolyl, thiazolyl, isothiazolyl, pyrrolyl, oxazolyl, furanyl, indazolyl or thienyl, each of which is substituted with from 0 to 3 substituents independently chosen from amino, cyano, C₁-C₄alkyl, C₁-C₄alkoxy, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, -COOH, -CONH₂, mono- and di-(C₁-C₄alkyl)amino, C₂-C₄alkanoyl, C₁-C₄sulfonate, C₁-C₄alkylsulfonyl, C₁-C₄alkylsulfinyl, C₁-C₄alkylthio, C₃-C₆alkanone, C₂-C₄alkyl ether, C₂-C₄alkanoyloxy, C₁-C₄alkoxycarbonyl and C₁-C₆alkylcarboxamide.

3. A compound or salt according to claim 1 or claim 2, wherein A is oxygen.

4. A compound or salt according to claim 1 or claim 2, wherein A is sulfur.

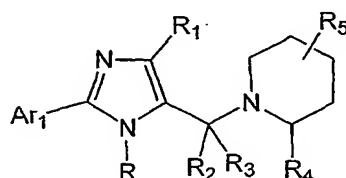
5. A compound or salt according to claim 1 or claim 2, wherein A is NR.

6. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula II:



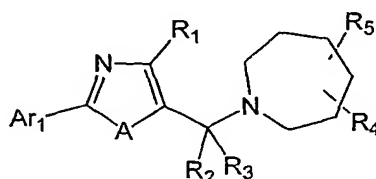
Formula II.

7. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula III:



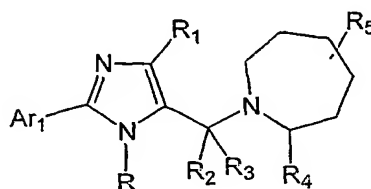
Formula III.

8. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula IV:



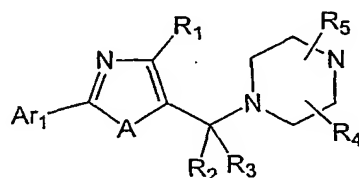
Formula IV.

9. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula V:



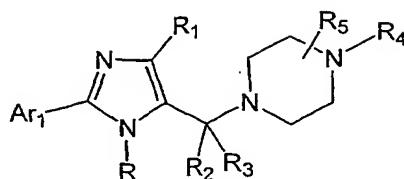
Formula V.

10. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula VI:



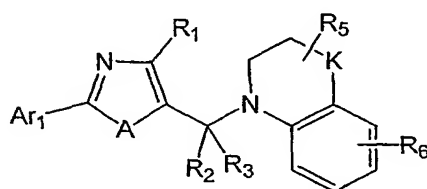
Formula VI.

11. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula VII:



Formula VII.

12. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula VIII:



Formula VIII

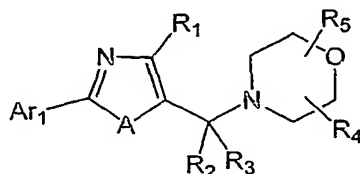
wherein:

K is CH₂ or NH; and

R₆ represents from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, C₁-C₄alkyl, C₁-C₄alkoxy, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, -COOH, -CONH₂ and mono- and di-(C₁-C₄alkyl)amino.

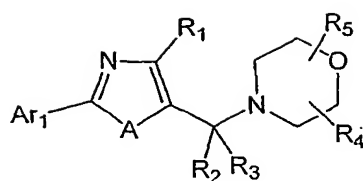
13. A compound or salt according to claim 12, wherein A is NR and K is CH₂.

14. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula IX:



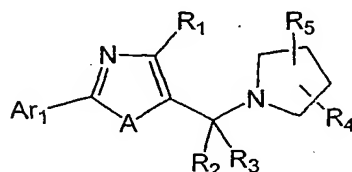
Formula IX.

15. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula X:



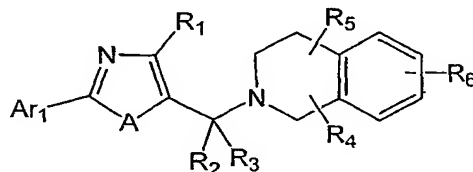
Formula X.

16. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula XI:



Formula XI.

17. A compound or salt according to claim 1 or claim 2, wherein the compound satisfies Formula XII:



Formula XII

10 wherein R_6 represents from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, C_1 - C_4 alkyl, C_1 - C_4 alkoxy, C_1 - C_2 haloalkyl, C_1 - C_2 haloalkoxy, $-COOH$, $-CONH_2$ and mono- and di- $(C_1$ - C_4 alkyl)amino.

18. A compound or salt according to any one of claims 1 to 17, wherein R_2 and R_3 are both hydrogen.

15 19. A compound or salt according to any one of claims 1 to 18, wherein Ar_1 is phenyl, pyridyl, indazolyl or thienyl, each of which is substituted with 0 to 3 substituents independently chosen from C_1 - C_4 alkyl, C_1 - C_4 alkoxy, C_1 - C_2 haloalkyl, C_1 - C_2 haloalkoxy and mono- and di- $(C_1$ - C_2 alkyl)amino.

20 20. A compound or salt according to claim 19, wherein Ar_1 is phenyl or mono- or di-substituted phenyl.

21. A compound or salt according to claim 20, wherein Ar_1 is phenyl substituted with one or two substituents independently chosen from ethyl and methyl.

22. A compound or salt according to claim 21, wherein Ar₁ is 2,6-disubstituted phenyl.

23. A compound or salt according to any one of claims 2 through 22, wherein R₁ is:

i) halogen;

5 ii) C₁-C₆alkyl, C₂-C₆alkenyl, C₁-C₆alkoxy, (C₃-C₇cycloalkyl)C₀-C₄alkyl, pyrrolidinylC₀-C₂alkyl, morpholinylC₀-C₂alkyl, piperinylC₀-C₂alkyl or piperazinylC₀-C₂alkyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, oxo, C₁-C₄alkyl and C₁-C₄alkoxy; or

10 iii) phenyl or pyridyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, -COOH, -CONH₂, -SO₂NH₂, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, C₁-C₆alkyl, C₁-C₆alkoxy, and mono- and di-(C₁-C₄alkyl)amino.

24. A compound or salt according to claim 23, wherein R₁ is halogen, C₁-C₂alkyl, C₁-C₂alkoxy, or pyrrolidinylC₁-C₂alkyl.

15 25. A compound or salt according to claim 23, wherein R₁ is phenyl or pyridyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, -COOH, -CONH₂, -SO₂NH₂, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, C₁-C₆alkyl, C₁-C₆alkoxy, and mono- and di-C₁-C₄alkylamino.

20 26. A compound or salt according to any one of claims 5 through 25, wherein R is C₁-C₇alkyl, C₂-C₇alkenyl, (C₃-C₇cycloalkyl)C₁-C₄alkyl or (1,3-dioxylan-2-yl)C₁-C₄alkyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, oxo, C₁-C₄alkyl and C₁-C₄alkoxy.

25 27. A compound or salt according to claim 26 wherein R is C₁-C₅alkyl, C₂-C₄alkenyl or (1,3-dioxylan-2-yl)C₁-C₄alkyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, C₁-C₄alkyl and C₁-C₄alkoxy.

30 28. A compound or salt according to any one of claims 3 to 27, wherein R₄ is C₁-C₆alkyl, C₁-C₆alkoxycarbonyl or C₃-C₇ cycloalkyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, C₁-C₂alkyl, C₁-C₂alkoxy, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, -COOH, -CONH₂, and mono- and di-(C₁-C₄alkyl)amino.

29. A compound or salt according to any one of claims 3 to 27, wherein R₄ is phenylC₀-C₁alkyl, pyridylC₀-C₁alkyl, pyrimidylC₀-C₁alkyl, thienylC₀-C₁alkyl, naphthylC₀-C₁alkyl, indolylC₀-C₁alkyl, benzoxadiazolylC₀-C₁alkyl, benzoxazolylC₀-C₁alkyl, quinazolinylC₀-C₁alkyl, benzothiazolylC₀-C₁alkyl or benzimidazolylC₀-C₁alkyl, each of which is substituted with from 0 to 2 substituents independently chosen from hydroxy, halogen, amino, cyano, C₁-C₂ alkyl, C₁-C₂alkoxy, C₁-C₂haloalkyl, C₁-C₂haloalkoxy and mono- and di-(C₁-C₂alkyl)amino.

30. A compound or salt according to any one of claims 3 to 27, wherein R₄ is phenyl or pyridyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, C₁-C₄alkyl, C₁-C₄alkoxy, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, -COOH, -CONH₂, mono- and di-(C₁-C₄alkyl)amino, C₂-C₄alkanoyl, C₁-C₄sulfonate, C₁-C₄alkylsulfonyl, C₁-C₄alkylsulfinyl, C₁-C₄alkylthio, C₃-C₆alkanone, C₂-C₄alkyl ether, C₂-C₄alkanoyloxy, C₁-C₄alkoxycarbonyl and C₁-C₆alkylcarboxamide.

31. A compound or salt according to claim 30, wherein R₄ is phenyl or pyridyl, each of which is substituted with from 0 to 3 substituents independently chosen from hydroxy, halogen, amino, cyano, C₁-C₄alkyl, C₁-C₂alkoxy, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, -COOH, -CONH₂, mono- and di-(C₁-C₂alkyl)amino, C₁-C₂alkoxycarbonyl and C₁-C₂alkylcarboxamide.

32. A compound or salt according to any one of claims 3 to 27, wherein R₄ is phenyl fused to a 5- to 7-membered saturated or partially unsaturated ring that (a) has 0, 1 or 2 ring atoms independently chosen from N, O and S, with remaining ring atoms being carbon, and (b) is substituted with from 0 to 3 substituents independently chosen from halogen, C₁-C₄alkyl, C₁-C₄alkoxy, C₁-C₂haloalkyl, and C₁-C₂haloalkoxy.

33. A compound or salt according to claim 32, wherein R₄ represents 1,3-benzodioxol-5-yl, 2,3-dihydro-1-benzofuran-6-yl, 2,3-dihydro-1-benzofuran-5-yl, 2,3-dihydro-1,4-benzodioxin-6-yl, chroman-6-yl, chroman-7-yl, 1,3-benzothiazolyl or 2,3-dihydroindol-5-yl, each of which is substituted with from 0 to 2 substituents independently selected from hydroxy, halogen, amino, cyano, oxo, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, C₁-C₂alkyl, C₁-C₂alkoxy and mono- and di-(C₁-C₂alkyl)amino.

34. A compound or salt according to claim 33, wherein R₄ is benzo[1,3]dioxol-5-yl or 2,3-dihydro-benzo[1,4]dioxin-6-yl, each of which is substituted with from 0 to 3

substituents independently chosen from halogen, C₁-C₂alkyl, C₁-C₂alkoxy, C₁-C₂haloalkyl and C₁-C₂haloalkoxy.

35. A compound or salt according to any one of claims 3 to 27, wherein R₄ is taken together with R₅ to form a fused phenyl or pyridyl ring that is substituted with from 0 to 3
5 substituents independently chosen from hydroxy, halogen, amino, cyano, C₁-C₄alkyl, C₁-C₄alkoxy, C₁-C₂haloalkyl, C₁-C₂haloalkoxy, -COOH, -CONH₂ and mono- and di-(C₁-C₄)alkylamino.

36. A compound or salt according to any one of claims 3 to 33, wherein R₅ represents from 0 to 3 substituents independently chosen from hydroxy, halogen, C₁-C₂alkyl, and C₁-
10 C₂alkoxy.

37. A compound or salt according to any one of claims 1-35, wherein the compound exhibits an IC₅₀ of 500 nM or less in a standard *in vitro* C5a receptor-mediated chemotaxis or calcium mobilization assay.

38. A compound or salt according to any one of claims 1-35, wherein the
15 compound exhibits an IC₅₀ of 25 nM or less in a standard *in vitro* C5a receptor-mediated chemotaxis or calcium mobilization assay.

39. A compound or salt according to any one of claims 1-35, wherein the compound exhibits less than 5% agonist activity in a GTP binding assay.

40. A pharmaceutical composition comprising at least one compound or salt
20 according to any one of claims 1-35, in combination with a physiologically acceptable carrier or excipient.

41. A pharmaceutical composition according claim 40, wherein the pharmaceutical composition is formulated as an injectible fluid, an aerosol, a cream, a gel, a pill, a capsule, a syrup, or a transdermal patch.

25 42. A method for inhibiting signal-transducing activity of a cellular C5a receptor, comprising contacting a cell expressing C5a receptor with at least one compound or salt according to any one of claims 1-35, and thereby reducing signal transduction by the C5a receptor.

43. A method according to claim 42, wherein the cell is contacted *in vivo* in an animal.

44. A method according to claim 43, wherein the animal is a human.

45. A method for inhibiting binding of C5a to C5a receptor *in vitro*, the method
5 comprising contacting C5a receptor with at least one compound or salt according to any one of claims 1-35, under conditions and in an amount sufficient to detectably inhibit C5a binding to C5a receptor.

46. A method for inhibiting binding of C5a to C5a receptor in a human patient,
comprising contacting cells expressing C5a receptor with at least one compound or salt
10 according to any one of claims 1-35, in an amount sufficient to detectably inhibit C5a binding to cells expressing a cloned C5a receptor *in vitro*, and thereby inhibiting binding of C5a to the C5a receptor in the patient.

47. A method for treating a patient suffering from rheumatoid arthritis, psoriasis,
cardiovascular disease, reperfusion injury, or bronchial asthma comprising administering to
15 the patient a C5a receptor modulatory amount of a compound or salt according to any one of claims 1-35.

48. A method for treating a patient suffering from stroke, myocardial infarction,
atherosclerosis, ischemic heart disease, or ischemia-reperfusion injury comprising
administering to the patient a C5a receptor modulatory amount of a compound or salt
20 according to any one of claims 1-35.

49. A method for treating a patient suffering from cystic fibrosis or sepsis,
comprising administering to a patient in need of such treatment a C5a receptor modulatory
amount of a compound or salt according to any one of claims 1-35.

50. A method for inhibiting C5a receptor-mediated cellular chemotaxis,
25 comprising contacting mammalian white blood cells with a C5a receptor modulatory amount of a compound or salt according to any one of claims 1-35.

51. A method for localizing C5a receptor in a tissue sample, comprising:

- (a) contacting the tissue sample containing C5a receptor with a detectably labeled compound or salt according to any one of claims 1-35 under conditions that permit binding of the compound or salt to C5a receptors; and
- (b) detecting the bound compound or salt.

52. A method according to claim 51, wherein the compound is radiolabeled.

53. A packaged pharmaceutical preparation, comprising:

- (a) a pharmaceutical composition according to claim 40 in a container; and
- (b) instructions for using the composition to treat a patient suffering from rheumatoid arthritis, psoriasis, cardiovascular disease, reperfusion injury, or bronchial asthma.

54. A packaged pharmaceutical preparation, comprising:

- (a) a pharmaceutical composition according to claim 40 in a container; and
- (b) instructions for using the composition to treat stroke, myocardial infarction, atherosclerosis, ischemic heart disease, or ischemia-reperfusion injury.

55. A packaged pharmaceutical preparation, comprising:

- (a) a pharmaceutical composition according to claim 40 in a container; and
- (b) instructions for using the composition to treat a patient suffering from cystic fibrosis or sepsis.